

1/1 WPIL - (C) Derwent

AN - 1984-191108 [31]

XA - C1984-080264

TI - Textile having hydrophilic and hydrophobic surfaces - has one side treated with low temp. inorganic gas plasma to impart durable hydrophilic property

DC - A35 F06

PA - (EMOR-) EMORI SHOJI KK

- (NKKK) NIKKA KAGAKU KOGYO KK

- (SHIE) SHINETSU CHEM IND CO LTD

NP - 2

NC - 1

PN - JP59106570 A 19840620 DW1984-31 5p *

AP: 1982JP-0212388 19821203

- JP89044835 B 19890929 DW1989-43

PR - 1982JP-0212388 19821203

IC - D06M-010/00 D06M-013/00

AB - JP59106570 A

Water repellent finished textile goods are treated on one side with low temp. plasma of inorganic gas under a gas pressure of 0.01-10 Torr. The textile goods include woven, knitted and nonwoven fabrics consisting of polyester, nylon, acrylic, polypropylene or acetate fibre or their mixt.

- The inorganic gas includes helium, neon, argon, nitrogen, oxygen, air nitrogen mono- (di-) oxide, carbon mono- (di-) oxide, hydrogen sulphide, etc. and pref. is oxygen gas or a gas which contains at least 10 vol.% of oxygen gas. The water repellent finishing agent is made from silicon or fluorine cpd. The plasma is generated by glow discharge at a voltage of at least 400 V.

- ADVANTAGE - Textile goods are modified to have excellent and durable hydrophilic property on one side while retaining water repellency on the other side. (0/1)

MC - CPI: A08-S08 A11-C05 A12-S05R A12-S05T F03-C F03-C02A F03-C05

UP - 1984-31

UE - 1989-43